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FORM PTO-1449

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Attorney Docket Number

41601/RJP/B600

Application Number

09/766,048

Filing Date

January 19, 2001

Applicant(s)

Frank Carr, et al.

Group Art Unit

To be assigned

Examiner Name

To be assigned

**U.S. PATENT DOCUMENTS**

EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
D	4,903,329	2/1990	Marik et al.	455	182	
D	5,006,727	4/1991	Rogosch et al.	307	264	
D	5,428,829	6/1995	Osburn et al.	455	197.1	
D	5,587,688	12/1996	Mulbrook	330	253	

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
D	EP 0 365 085	4/1990	EPO (English family patent, U.S. 5,006,727 above)				
D	EP 0 431 887	6/1991	EPO				
D	WO 97/09786	3/1997	WIPO				
D	WO 97/32393	9/1997	WIPO				

**OTHER DOCUMENTS**

EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

EXAMINER SIGNATURE	<i>David Carr</i>	DATE CONSIDERED	2/7/0002
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

PBH/swc

SWC PAS329605.1-\*2/26/01 8:48 AM

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Applicant(s)	Frank Carr, et al.
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Examiner Name	To be assigned

#4

**U.S. PATENT DOCUMENTS**

APR 23 2001

EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	Technology SUBCLASS	CHANG DATE IF APPROPRIATE
B	4,141,209	2/1979	Barnett et al.	58	23	
B	4,211,975	7/1980	Kuroda	455	75	
B	4,353,039	10/1982	Huntley	331	113	
B	4,789,976	12/1988	Fujishima	369	54	
B	5,031,233	7/1991	Regan	455	307	
B	5,077,541	12/1991	Gilbert	330	284	
B	5,200,826	4/1993	Seong	358	191.1	
B	5,251,324	10/1993	McMullan, Jr.	455	2	
B	5,311,318	5/1994	Dobrovoly	348	731	
B	5,423,076	6/1995	Westergren et al.	455	86	
B	5,581,213	12/1996	Linder et al.	330	282	
B	5,630,214	5/1997	Yamamoto et al.	455	190.1	
B	5,715,012	2/1998	Patel et al.	348	555	
B	5,737,035	4/1998	Rotzoll	348	725	
B	5,757,220	5/1998	Murden et al.	327	308	

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
B	DE 37 23 778 A1	1/1988	Germany				
B	DE 195 06 324 C1	10/1995	Germany				
B	EP 0 133 618 A1	3/1985	EPO				
B	EP 0 393 717 A2	10/1990	EPO				
B	EP 0 629 040 A1	12/1994	EPO				

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**Attorney Docket Number****41601/PBH/B600****Application Number**

To be assigned

**Filing Date**

Herewith APR 23 2001

**Applicant(s)**

Frank C. Technology Center 2600

**Group Art Unit**

To be assigned

**Examiner Name**

To be assigned

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>JD</i>	EP 0 767 532 A1	10/1996	EPO				
<i>JD</i>	UK 2 058 505 A	4/1981	United Kingdom				
<i>JD</i>	WO 98/47237	10/1998	WIPO				

**OTHER DOCUMENTS**

EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>JD</i>	Gilbert, B., "A Low-Noise Wideband Variable-Gain Amplifier Using an Interpolated Ladder Attenuator," IEEE International Solid-State Circuits Conference, US, New York, No. 34, February 1991, pp. 280-281 and p. 330
<i>JD</i>	Leung, L., Buchwald, A., "10-MHz 60-dB Dynamic-Range 6-dB Variable Gain Amplifier," IEEE, 1997, pp. 173-176
<i>JD</i>	Poole, S., Surace, G., Singh, B., Dyer, N., "A CMOS Subscriber Line Audio Processing Circuit Including Adaptive Balance," IEEE International Symposium on Circuits and Systems, Finland, Espoo, Volume 2 of 3, June 7-9, 1988, pp. 1931-1934

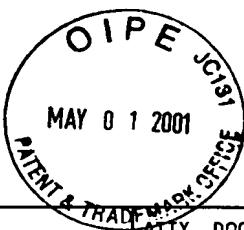
EXAMINER SIGNATURE	DATE CONSIDERED
<i>JD</i>	2/7/2001

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FORM PTO-1449

## THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1875.0590009APPLICATION NO.  
09/766,048APPLICANTS  
Carr et al.FILING DATE  
January 19, 2001GROUP  
2614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
DA	AA1	3,839,676	10/1974	Linnecar et al.	325	394	
DA	AB1	4,176,351	11/1979	DeVita et al.	343	9 R	
DA	AC1	4,328,531	05/1982	Nagashima et al.	361	401	
DA	AD1	4,340,975	07/1982	Onishi et al.	455	315	
DA	AE1	4,581,643	04/1986	Carlson	358	191.1	
DA	AF1	4,855,835	08/1989	Tobita	348	185.1	
DA	AG1	5,524,281	06/1996	Bradley et al.	455	67.3	
DA	AH1	5,563,545	10/1996	Scheinberg	327	389	
DA	AI1	5,847,612	12/1998	Birleson	331	2	
DA	AJ1	5,874,857	02/1999	Roth et al.	330	254	
DA	AK1	6,163,684	12/2000	Birleson	455	182.3	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
DB	AL1	0 601 650 A1 560	06/1994	EP	H03F	3/45	Yes No
DB	AM1	0 809 351 A2	11/1997	EP	H03F	1/32	Yes No
	AN1						Yes No
	AO1						Yes No
	AP1						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

DB	AR	1	Brady, V. et al., "Development Of A Monolithic FET Ka-Band Single Side Band Upconverter And Image Reject Downconverter," IEEE GaAs IC Symposium, October 22-25, 1989, San Diego, California, IEEE Press, pp. 189-192.
DB	AS	1	Ducourant, T. et al., "A 3 Chip GaAs Double Conversion TV Tuner System With 70 dB Image Rejection," IEEE 1989 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest of Papers, IEEE Press, 1989, pp. 87-90.
DB	AT	1	Farmer, James O., "Specification For Tuner Design For Use In Cable Ready Television Receivers and VCRs," IEEE Transactions on Consumer Electronics, Vol. 36, No. 3, August 1990, IEEE Press, pp. 660-668.

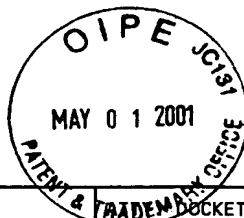
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2/7/2002

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FORM PTO-1449

## THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

TRADEMARK DOCKET NO.  
1875.0590009APPLICATION NO.  
09/766,048APPLICANTS  
Carr et al.FILING DATE  
January 19, 2001GROUP  
2614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA2						
	AB2						
	AC2						
	AD2						
	AE2						
	AF2						
	AG2						
	AH2						
	AI2						
	AJ2						
	AK2						

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL2						Yes No
	AM2						Yes No
	AN2						Yes No
	AO2						Yes No
	AP2						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

DA	AR	2	Maas, Stephen A., <i>Microwave Mixers</i> , Artech House Inc., 1986, U.S.A., pp. 248-251.
DD	AS	2	Müller, J.-E. et al., "A Double-Conversion Broad Band TV-Tuner With GaAs Ics," <i>GaAs IC Symposium</i> , IEEE Press, 1984, pp. 97-100.
DB	AT	2	Plas, J. and Nordholt, E.H., "A Novel Extended Dynamic Range Synchronous Detector for AM Shortwave Upconversion Receivers," <i>IEEE Transactions on Consumer Electronics</i> , IEEE Press, Vol. 35, No. 3, August 1989, pp. 390-396.

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DATE CONSIDERED

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